ABSTRACT OF THE DISCLOSURE

Methods and apparatus are disclosed to facilitate and conduct the programming and implementation of object-oriented computer programs with improved object portability. In one embodiment, a portable component is created that has a pure object for performing

5   desired data processing goals, such as accessing customer account information. The pure object is developed independently of a component system with which it may be deployed. The portable component also has a descriptor block for providing a description of the pure object's capabilities at execution time. The portable component is coupled at runtime with a technology adapter that mediates between the portable component and a particular

10   component system so that the technology-independent portable component can be exercised by requests made to the particular component system. Elements disclosed for providing improved portability of programming objects may be individually, or in combination, provided to system developers and users by various means and methods. For example, the program code representation of a technology adapter may be provided on a

15   transportable storage media such as CD ROM.

Program code practicing the present invention makes a user-defined object more resilient to technology change. Because specific information about the component system for deploying the object is not integral to the object itself, a change to the component system does not necessitate a change to the object. Moreover, the same object can be

20   deployed in multiple, disparate component systems simultaneously.